AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1.   (Currently Amended): A receiver adapted to receive a transmitted broadcast signal, the receiver comprising:

a tuner that receives the transmitted broadcast signal, the transmitted broadcast signal containing data;

a memory, coupled to the tuner, that stores a database according to database categorization information;

a processor, coupled to the tuner and the memory by signal lines, that processes the received broadcast signal to obtain the data, stores the data in the ~~as a~~ database in the memory according to the database categorization information, ~~or updates the database according to the data,~~ provides a user interface including a set of menus describing the database categorization information of the database and for accepting a selection ~~selections~~ from the set of menus, selects certain data from among the data stored in the database in response to the accepted selection, ~~selections,~~ and controls the memory to provide ~~provides~~ the selected certain data ~~in~~ as digital data; ~~form;~~

a speech synthesizer that receives the digital data and converts the digital data ~~an alphanumeric data~~ to voice data, if the digital data is ~~the~~ alphanumeric data;

a speech producing device that receives the digital data and converts the digital data to audio data, if the digital data is not the alphanumeric data;

<u>a switch coupled to the processor, the speech synthesizer, and the speech producing</u>

<u>device, wherein the processor controls the switch to output the voice data, if the digital data is</u>

<u>the alphanumeric, and to output the audio data, if the digital data is not the alphanumeric data;</u>

<u>and</u>

an audio amplifier that amplifies <u>data output by the switch.</u> ~~an audio data and outputs the~~

~~amplified audio data to a loudspeaker, if the data is the audio data; and~~

~~a switch that provides the data to the speech synthesizer or the audio amplifier,~~

~~wherein, if the data is the alphanumeric data, the switch provides the alphanumeric data~~

~~to the speech synthesizer and, if the data is the audio data, the switch provides the audio data to~~

~~the audio amplifier.~~

2-32.   (canceled).

33.   (previously presented): The receiver of Claim 1, wherein the memory stores the

entire database.

34.   (previously presented) : The receiver of Claim 1, wherein the memory comprises

a combination of a volatile RAM memory and a non-volatile memory.

35.   (previously presented): The receiver of Claim 34, wherein the non-volatile

memory is selected from the group consisting of an audio tape, a magneto-optical mini-disk, a

magnetic disk or an optical disk.

36.   (Currently Amended): The receiver of Claim 1, wherein the received data is the audio data and ~~that~~ has been converted from analog form to digital form.

37.   (previously presented): The receiver of Claim 36, wherein the received audio data is digitized and has been compressed.

38.   (previously presented): The receiver of Claim 36, wherein the received audio data has been encrypted.

39   (Currently Amended): The receiver of Claim 1, wherein the received data is the alphanumeric data and ~~that~~ has been converted from analog form to digital form.

40.   (previously presented): The receiver of Claim 39, wherein the alphanumeric data is converted to voice data by the speech synthesizer.

41.   (Currently Amended): The receiver of Claim 1, wherein the received data is in digital form, has been encrypted and compressed, and the receiver further comprises a decryptor for decrypting the received data.

42.   (previously presented): The receiver of Claim 41, wherein said processor executes a decompression algorithm to decompress data that has been compressed at a transmitter prior to being broadcast.

43. (previously presented): The receiver of Claim 41, wherein the decryptor is enabled by a key received by the receiver.

44. (previously presented): The receiver of Claim 41, wherein the decryptor is enabled by a key device operatively connected to the decryptor.

45. (previously presented): The receiver of Claim 1, wherein the user interface is voice activated.

46. (previously presented): The receiver of Claim 1, wherein the user interface includes:

     a manual input device adapted to be mountable on an automobile steering wheel; and

     a link from the manual input device to the controller.

47. (previously presented): The receiver of Claim 1, wherein the user interface includes a control for determining a speed at which the speech producing sub-system outputs the analog signal.

48. (previously presented): The receiver of Claim 1, wherein the processor controls the receiver to skip channels to tune to a particular transmitter.

49. (previously presented): The receiver of Claim 1, further comprising:

     an amplifier for amplifying the analog signal; and

means for converting the amplified signal to sound.

50.   (previously presented): The receiver of Claim 1, further comprising means for

connecting the receiver to an automobile radio set.

51.   (previously presented): The receiver of Claim 1, further comprising means for

designating by a broadcaster of the broadcast signal a hierarchy for the database.

52.   (previously presented): The receiver of Claim 1, wherein the memory stores the

data received in a random access memory up to the capacity of the random access memory, and

the processor transfers said data to one of a disk medium or a tape medium in response to storing

the received data in the random access memory up to the capacity of the random access memory.

53.   (previously presented): The receiver of Claim 52, wherein the tape medium is a

digital audio tape.

54.   (previously presented): The receiver of Claim 52, wherein the disk medium is a

magnetic disk.

55.   (previously presented): The receiver of Claim 52, wherein the disk medium is a

magnetic-optical disk.

56.   (previously presented): The receiver of Claim 52, wherein the disk medium is an optical disk.

57.   (previously presented): The receiver of Claim 1, wherein a speed of transmission of the data in the broadcast signal is varied to most efficiently use the available bandwidth.

58.   (Currently Amended): A computer-readable medium having embodied thereon a program for executing a method for information dissemination, the method comprising:

performing, by a processor, the performing comprising:

controlling a tuner to receive a broadcast signal including data;

storing the data in a database in a memory according to database categorization information;

~~updating the database if an update data is included in the broadcast signal;~~

providing a set of menus describing the database categorization information of the database;

accepting selections from the set of menus;

selecting data from the database in response to the accepted selection;

determining whether the selected data is ~~an~~ alphanumeric data; ~~or an audio data;~~

providing the selected data in digital form to a speech synthesizer, if the selected data is the alphanumeric data, or providing the selected data in digital form to a speech producing device, ~~to an audio amplifier~~ if the selected data is not alphanumeric data; ~~the audio data;~~

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converting ~~an~~ the alphanumeric data to voice data, if the selected data is ~~the~~

alphanumeric data; and

converting the selected data to ~~amplifying an~~ audio data, if the selected data is not

alphanumeric data. ~~and outputting the amplified audio data to a loudspeaker, if the data is the~~

~~audio data.~~

59.   (previously presented): The method of Claim 58, wherein the received

information is transmitted by a broadcast signal.

60.   (previously presented): The receiver of Claim 1, wherein the memory is sufficient

to store data representing the content of at least one entire program.

61.   (previously presented): The method of Claim 58, wherein the stored information

includes the content of at least one entire program.

62.   (previously presented): The receiver of Claim 1, wherein the tuner continuously

receives the transmitted broadcast signal and the processor stores in the memory updates of the

data in the continuously received broadcast signal.

63.   (previously presented): The receiver of Claim 62, wherein received items of data

include a data stamp thereby to indicate currency of the data.

64.   (previously presented): The receiver of Claim 1, wherein the receiver is adapted to disable itself upon receipt of a command received via the tuner.

65.   (withdrawn): The receiver of Claim 1, wherein the receiver is adapted to tune the tuner to a first frequency or station to receive a broadcast signal carrying data and subsequently to tune to a second frequency or station to receive a broadcast signal carrying the data.

66.   (withdrawn): The receiver of Claim 65, wherein the receiver is adapted to tune to particular frequencies or stations across the entire FM radio or television bands.

67.   (withdrawn): The receiver of Claim 1, further comprising conditional access circuitry coupled to the tuner and controller, and which decrypts the received data for storage to the memory.

68.   (withdrawn): The receiver of Claim 1, wherein the controller is coupled to the tuner, and adapted to tune the tuner to a particular station or frequency to receive the broadcast signal.

69.   (withdrawn): The receiver of Claim 1, wherein the data is stored in the database in the memory under control of the controller.

70.   (withdrawn): The receiver of Claim 1, wherein the data is stored in the memory in encrypted form and decrypted when selected for play from the memory.

71.   (withdrawn): The receiver of Claim 1, wherein the data is received in encrypted form, and each receiver is provided with a hidden key and a public serial number for decryption of the data.

72.   (withdrawn): The receiver of Claim 1, wherein the data is received in encrypted form, and each receiver is provided with a master key for decryption of the data, the master key being provided in encrypted form.

73.   (withdrawn): The receiver of Claim 72, wherein a key for decryption of the encrypted master key is a function of a key associated with each receiver.

74.   (withdrawn): The receiver of Claim 1, wherein the data is received in encrypted form, and a key for decryption of the data is provided to the receiver in an electronically readable card coupled to the receiver.

75.   (withdrawn): The method of Claim 58, wherein the receiver is adapted to receive the broadcast signal on a continuous basis and wherein the data stored in the database in the memory is from a plurality of broadcast transmissions at different times.

76.   (withdrawn): The method of Claim 58, wherein the information in the broadcast signal is encrypted, the method comprising decrypting the information prior to storing the information in the database.

77.   (withdrawn): The receiver of Claim 1, further comprising a converter coupled to the memory and that converts the digital data to a different format prior to being output from the receiver.

78.   (withdrawn): The method of Claim 58,

wherein the receiver is adapted to receive the broadcast signal on a continuous basis;

wherein the information is stored in the database in the memory from a plurality of broadcast transmissions

at a plurality of different times;

wherein the information in the broadcast signal is encrypted, the method comprising decrypting the information; and

wherein the digital data is converted to a different format prior to being output from the receiver.

79.   (withdrawn): The receiver of Claim 1, wherein the memory is adapted to store at least ten hours of audio information.

80.   (withdrawn): The receiver of Claim 1, wherein the data comprises encrypted data items and wherein each data item is tagged with a designation to allow retrieval of the stored encrypted data item, and wherein the data items are stored in the database in the memory in encrypted form.

81.   (withdrawn): The receiver of Claim 80, wherein the speech producing sub-system is adapted to decrypt the encrypted data items.

82.   (withdrawn): The receiver of Claim 1, wherein the data is categorized, stored and accessed in the database in the memory under the control of the controller.

83.   (withdrawn): The receiver of Claim 1, further comprising at least two output paths from the memory, wherein each output path converts the format of the digital data from the memory prior to output.

84.   (withdrawn): The receiver of Claim 1, further comprising at least two paths coupled to the output of the memory, wherein the controller is adapted to select at least one of the paths such that the digital data from the memory is converted to a different format prior to being output from the receiver.

85.   (withdrawn): The receiver of Claim 1, wherein the data has been encrypted, further comprising conditional access circuitry coupled to the controller for decrypting the data prior to storing the data in the database and a plurality of converters coupled to the output of the memory, wherein the controller is adapted to select at least one of the converters such that the unencrypted digital data from the memory is converted to a different format prior to being output from the receiver.

86.   (withdrawn): The receiver of Claim 1, wherein the tuner is adapted to change the channel selected by the tuner such that the data stored in the database is received from at least two different channels.

87.   (withdrawn): The receiver of Claim 1, wherein the tuner is adapted to automatically change the channel to receive the broadcast signal, the data has been encrypted, the data is stored and accessed in the database in the memory under the control of the controller, the memory comprises volatile random access memory and a non-volatile magnetic disk, and the memory is adapted to store at least ten hours of audio information, further comprising conditional access circuitry coupled to the controller for decrypting the data prior to storing the data in the database and a plurality of converters coupled to the output of the memory, wherein the controller is adapted to select at least one of the converters such that the unencrypted digital data from the memory is converted to a different format prior to being output from the receiver.

88.   (withdrawn): The receiver of Claim 1, wherein the set of menus includes at least a first menu providing a plurality of menu choices describing the database and a second menu selected from the first menu, the second menu including additional information describing the database and including a plurality of menu choices for selecting the data from the database.

89.   (withdrawn): The receiver of Claim 84, wherein the set of menus includes at least a first menu providing a plurality of menu choices describing the database and a second menu selected from the first menu, the second menu including additional information describing the database and including a plurality of menu choices for selecting the data from the database.

90.   (withdrawn): The receiver of Claim 87, wherein the set of menus includes at least a first menu providing a plurality of menu choices describing the database and a second menu selected from the first menu, the second menu including additional information describing the database and including a plurality of menu choices for selecting the data from the database.

91.   (Currently Amended): A receiver adapted to receive a transmitted broadcast signal, the receiver comprising:

a tuner that continuously receives the transmitted broadcast signal, the transmitted broadcast signal including data;

a memory, coupled to the tuner, in which the data is stored in a database categorized according to hierarchical information;

a processor, coupled to the tuner and the memory by signal lines, that processes the received broadcast signal, stores the data in the ~~as a~~ database in the memory according to the hierarchical information, provides a user interface including a set of menus describing the hierarchical information of the database and for accepting a selection ~~selections~~ from the set of menus, selects data from the database in response to the accepted selection, ~~selections,~~ and provides the selected data in digital form;

a speech synthesizer that converts the selected data ~~an alphanumeric data~~ to voice data, if the selected data is ~~the~~ alphanumeric data;

a speech producing device that receives the selected data and converts the selected data to audio data, if the selected data is not alphanumeric data;

a switch coupled to the processor that outputs output data, the switch outputting the voice

data as the output data, if the selected data is alphanumeric data, and outputting the audio data as

the output data, if the selected certain data is not the alphanumeric data; and

an audio amplifier that amplifies the output data output by the switch. an audio data and

outputs the amplified audio data to a loudspeaker, if the data is the audio data; and

a switch that provides the data to the speech synthesizer or the audio amplifier,

wherein, if the data is the alphanumeric data, the switch provides the alphanumeric data

to the speech synthesizer and, if the data is the audio data, the switch provides the audio data to

the audio amplifier.

92.   (previously presented): The receiver according to claim 1, wherein the broadcast

signal is transmitted by a source not in response to a request from the receiver.

93.   (new): The receiver of claim 1, wherein the database categorization information

includes category information of the data.

94.   (new): The receiver of claim 93, wherein the database categorization information

further includes sub-category information of the data, the sub-category information being

associated with the category information of the data.